

ATTENTION:
GENERAL MANAGER
CLAIMS PERSONNEL

PARTS MANAGER
SERVICE MANAGER



SUBARU

IMPORTANT - All Service Personnel Should Read and Initial

SERVICE BULLETIN

APPLICABILITY: 2005MY~06MY Legacy/Outback
equipped with H4 and H6
2006MY B9 Tribeca

NUMBER: 11-81-06

DATE: 11/16/06

SUBJECT: Diagnostic Trouble Codes (DTC) P0600,
B0221 and/or B0223 (Codes for
communication error)

INTRODUCTION

This service bulletin explains how to diagnose P0600, B0221, and/or B0223 effectively, avoiding unnecessary diagnostics. When the communication system of the vehicle becomes unstable, multiple trouble codes and multiple problem phenomena may occur.

REPAIR PROCEDURE INFORMATION

There are 6 patterns for the combination of trouble codes and problem phenomena listed in the following chart (located on page 2 of this bulletin).

For example, Pattern 1 on the chart is showing you that DTC B0221, B0223, and P0600 exist and problem phenomena are Check Engine Light ON, VDC light ON, Coolant Temperature Meter indicates maximum, Odometer indicates "Er Hc", Cruise Control is cancelled and Cruise Control Lamp blinks.

Pattern 5 is showing you that DTC B0221 exists and problem phenomena are, Coolant Temperature Meter indicates maximum and the Odometer indicates "Er Hc".

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**CAUTION: VEHICLE SERVICING PERFORMED BY UNTRAINED PERSONS COULD
RESULT IN SERIOUS INJURY TO THOSE PERSONS OR TO OTHERS.**

Subaru Service Bulletins are intended for use by professional technicians ONLY. They are written to inform those technicians of conditions that may occur in some vehicles, or to provide information that could assist in the proper servicing of the vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do the job correctly and safely. If a condition is described, DO NOT assume that this Service Bulletin applies to your vehicle, or that your vehicle will have that condition.



	ITEM	PATTERN LISTING					
		05MY LEGACY/OUTBACK H4 & H6; 06MY LEGACY/OUTBACK H4			06MY LEGACY/ OUTBACK H6; 06MY B9 TRIBECA		
		1	2	3	4	5	6
DTC	B0221	0	0		0	0	
	B0223	0		0	0		0
	P0600 (*1)	0	0	0			
PHENOMENA	Check Engine Light ON	0	0	0			
	VDC OFF indicator/ VDC warning light ON (*2)	0	0	0	0		0
	Coolant Temperature Meter indicates maximum (*3)	0	0		0	0	
	Odometer indicated "Er HC"	0	0	0	0	0	0
	Cruise Control is cancelled/ Cruise Control lamp blinks	0	0	0			

(*1) When DTC P0600 is stored, the communication line may not be functioning properly. In that case, the system goes to fail safe mode and driver may feel less engine power or vibration.

(*2) In the case of a VDC related communication malfunction: VDC OFF indicator/VDC warning light turns ON due to fail safe mode.

(*3) In the case of an engine communication malfunction: Coolant Temperature Meter indicates maximum due to fail safe mode.

TECHNICAL EXPLANATION

The Body Integrated Control Unit (BIU) monitors whole communication lines and it detects communication errors/troubles. When it detects problems, the system goes to fail safe mode and displays Check Engine Light ON, VDC light ON, Coolant Temperature Meter indicates maximum, Odometer indicates "Er Hc", Cruise Control is cancelled and Cruise Control Lamp blinks to avoid the problem from becoming more severe. B0221, B0223, P0600 are resultant codes.

To avoid a severe system abnormality, the BIU monitors communication instability in a very short time period. The communication system may become unstable under the following circumstances:

- Near powerful radio equipment, such as truck radios
- Poor contact on connectors
- Noises emitted by non-genuine accessories or modified electrical circuits
- Unstable battery voltage due to non-genuine accessories or modified electrical circuits
- Starting the engine when battery is weak
- Repeating ignition switch ON and OFF quickly or repeating engine starting and stopping

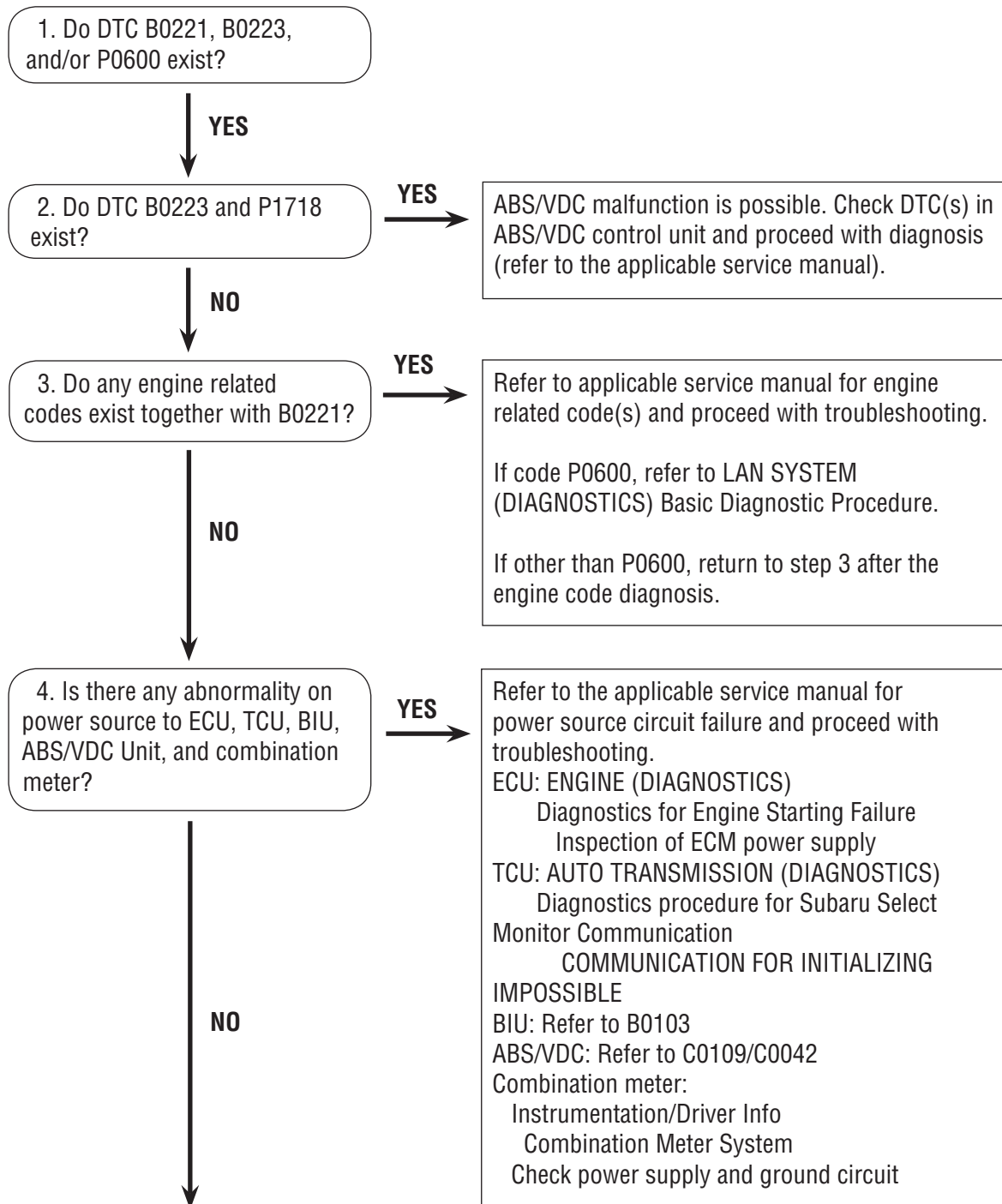
In these cases, communication stability can be restored by the self-recovery function, but the malfunction display and fail-safe mode continue to alert the driver until the ignition switch is

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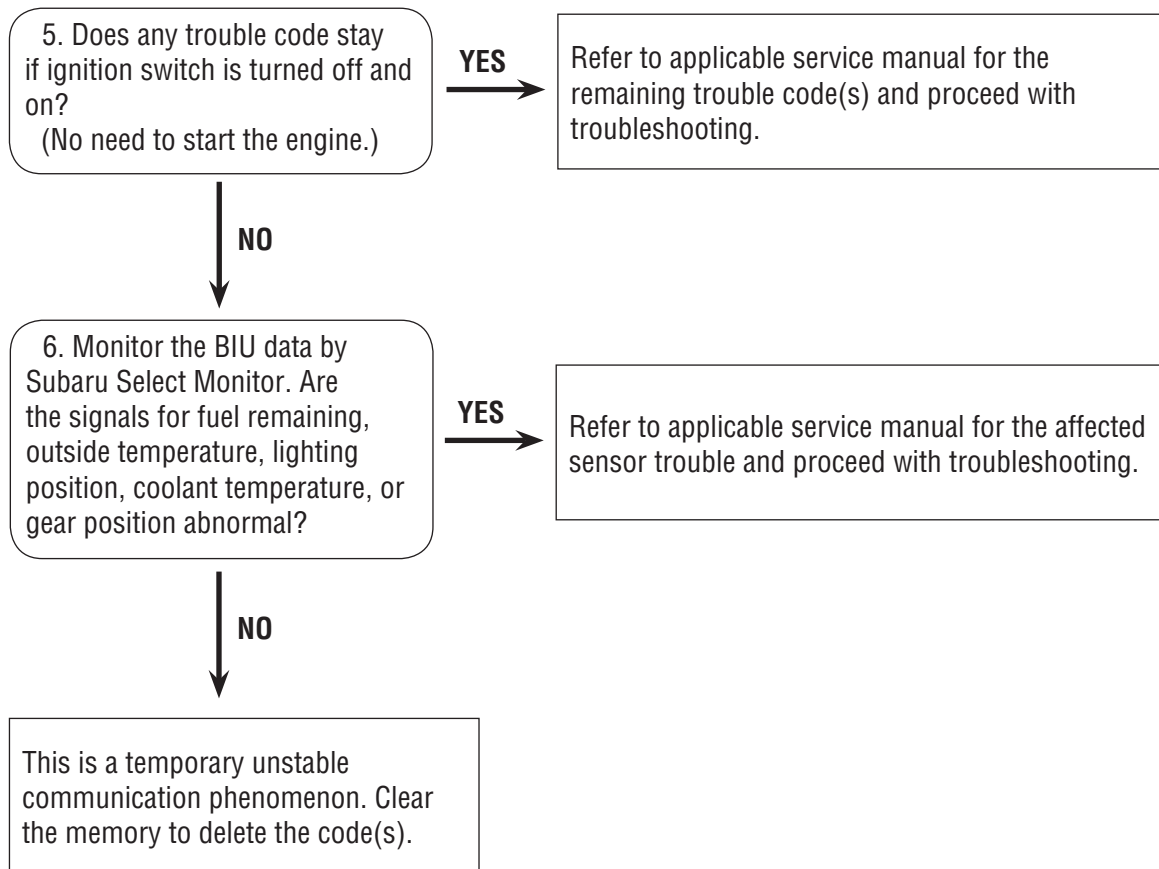
turned off.

TROUBLESHOOTING FLOW CHART

Check for DTC(s) and vehicle condition.



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If any of the **steps 2 through 6** direct you to “Yes”, and you are able to repair the problem, this is not a temporary unstable communication phenomenon.